



INTRODUCTORY MICROBIOLOGY & IMMUNOLOGY
SPRING 2011 CLASS SCHEDULE

MIC 301/320

MIC 301 R1 and R2 Lecture Spring 2011: Cox Science Bldg. Room 126 Tues. & Thurs. 2:00 - 3:15	MIC 301 R1 and R2 Laboratory Spring 2011: Cox Science Bldg. Room 251 M & W Section AC 8:00 - 10:30 Section DF 11:15 - 1:45 Section GI 2:30 - 5:00 Section KL 6:25 - 9:05
MIC 301 R3 Lecture* Spring 2011: Cox Science Bldg. Room 126 Tues. & Thurs. 2:00 - 3:15pm	MIC 301 R3 Laboratory Fall 2011 Cox Science Bldg. Room 251 M & W Section DF 11:15 - 1:45
*an "T" will be given as a grade until lab is completed in the Fall. If lab is not completed in the Fall a grade of "F" will be entered for the course. If the time of the lab in the Fall will be a problem please drop the course.	

Required Text:

Brock Biology of Microorganisms, 12th Edition by Madigan, Martinko, Dunlap and Clark

Required Laboratory Supplement:

A Photographic Atlas for the Microbiology Laboratory, 3rd Edition by Leboffe and Pierce

HONORS STUDENTS

All honors students who are registered for MIC 301 or MIC 320 Section R1, must also be registered for MIC 302 Section 2S Seminar. In order to get honors credit you must complete summaries of each of the seminars. If the summaries are not received on the specified date no grade will be entered as your final grade until they are turned in. Summaries should be a page and a half each, typed and turned in to Roger on the date stated.

Fri., Apr. 29
 Apr. 30 –May 3
 Mon., May 16
 Wed., May 18

Classes End at 11:00 PM
 Reading Days
 Final Grades released by faculty in myUM by 12pm
 Final Grades available to students in myUM

Wed., Feb. 2
 Fri., Apr. 1

Last day to drop a course without a "W"
 Last day to drop a course.

Microbiology 301 & 320 Lecture Schedule

Blocks	Dates	Lectures
1	Tues., Jan. 18 Thurs., Jan 20 Tues., Jan 25 Thurs., Jan 27	History and Prokaryotic Cell Biology I - Dr. Schesser History and Prokaryotic Cell Biology II - Dr. Munson History and Prokaryotic Cell Biology III - Dr. Munson History and Prokaryotic Cell Biology IV - Dr. Munson
2	Tues., Feb. 1 Thurs., Feb. 3 Tues., Feb. 8 Thurs., Feb. 10	Taxonomy and Metabolic Diversity I - Dr. Fields Taxonomy and Metabolic Diversity II - Dr. Fields Taxonomy and Metabolic Diversity III - Dr. Fields Exam 1: Blocks 1 & 2
3	Tues., Feb. 15 Thurs., Feb. 17	Applied and Ecological Microbiology I - Dr. Fields Applied and Ecological Microbiology II - Dr. Fields
4	Tues., Feb. 22 Thurs., Feb. 24 Tues., Mar. 1	Pathogenic Microbiology I - Dr. Plano Pathogenic Microbiology II - Dr. Plano Pathogenic Microbiology III - Dr. Plano
5	Thurs., Mar. 3 Tues., Mar. 8 Thurs., Mar. 10	Exam 2: Blocks 3 & 4 Immunology I - Dr. Lichtenheld Immunology II - Dr. Lichtenheld
	Tues., Mar. 15 Thurs., Mar. 17	SPRING BREAK SPRING BREAK
6	Tues., Mar. 22 Thurs., Mar. 24 Tues., Mar. 29 Thurs., Mar. 31 Tues., Apr. 5 Thurs., Apr. 7	Immunology III - Dr. Lichtenheld Immunology IV - Dr. Lichtenheld Immunology V - Dr. Lichtenheld Immunology VI - Dr. Lichtenheld Parasitology I - Dr. Ager Parasitology II - Dr. Ager
7	Tues., Apr. 12 Thurs., Apr. 14 Tues., Apr. 19 Thurs., Apr. 21 Tues., Apr. 26	Virology I - Dr. Lopez Virology II - Dr. Lopez Virology III - Dr. Lopez Virology IV - Dr. Lopez Exam 3: Blocks 5 & 6 & 7 (Honors papers due)

Microbiology 301 Laboratory Schedule

Dates	Laboratories
Wed., Jan. 19	Lab - Exercise 0 Microscope 101
Mon., Jan. 24	Lab - Exercise 1 (The Culturing of Microorganisms)
Wed., Jan. 26	Lab - Exercise 2 (Motility detection and Staining techniques)
Mon., Jan. 31	Lab - Exercise 3 (Staining methods)
Wed., Feb. 2	Lab - Exercise 4 (Study of Morphology)
Mon., Feb. 7	Lab - Exercise 5 (Metabolic Reactions I)
Wed., Feb. 9	Lab - Exercise 5 (Metabolic Reactions I cont.)
Mon., Feb. 14	Lab - Exercise 5 (Metabolic Reactions II)
Wed., Feb. 16	Lab - Exercise 5 (Metabolic Reactions II cont.)
Mon., Feb. 21	Lab - Exercise 6 (Skin Bacteria)
Wed., Feb. 23	Lab - Exercise 6 (cont.)
Mon., Feb. 28	Lab - Exercise 7 (Bacterial Analysis of Water/Air)
Wed., Mar. 2	Lab - Exercise 7 (cont.)
Mon., Mar. 7	Lab - Exercise 8 (Antimicrobial Susceptibility Testing)
Wed., Mar. 9	Lab - Exercise 8 (cont.)
Mon., Mar. 14	SPRING BREAK
Wed., Mar. 16	SPRING BREAK
Mon., Mar. 21	Lab - Exercise 9 (Blood Typing)
Wed., Mar. 23	Lab Exam 1
Mon., Mar. 28	Lab - Exercise 10 (Unknown Experiment) Unknowns given out
Wed., Mar. 30	Lab - Exercise 10
Mon., Apr. 4	Lab - Exercise 11 (ELISA)
Wed., Apr. 6	Lab - Exercise 11 (cont.)
Mon., Apr. 11	Lab - Exercise 12 (PCR/Transformation)
Wed., Apr. 13	Lab - Exercise 12 (cont.) (Last unknown test can be run)
Mon., Apr. 18	Lab - Exercise 13 (Parasitology)
Wed., Apr. 20	Lab - Exercise 13 (cont.)
Mon., Apr. 25	Lab - Unknown Reports Due
Wed., Apr. 27	Lab - Practical Exam
Mon., May 9	Section AC Lab Exam 2: 8:00 - 10:30 am
Wed., May 4	Section DF Lab Exam 2: 11:00 - 1:30 pm
Wed., May 11	Section GI Lab Exam 2: 2:00 - 4:30 pm
Wed., May 4	Section KL Lab Exam 2: 8:00 - 10:30 pm

INTRODUCTORY MICROBIOLOGY AND IMMUNOLOGY

SPRING 2011 CLASS SCHEDULE

MIC 301/320

INSTRUCTORS

Dr. Arba Ager, Associate Professor
Department of Microbiology and Immunology
University of Miami School of Medicine
Phone: 305-252-4384

Dr. Ken Fields, Assistant Professor
Department of Microbiology and Immunology
University of Miami School of Medicine
Phone: 243-6711

Dr. Mathias Lichtenheld, Associate Professor
Department of Microbiology and Immunology
University of Miami School of Medicine
Phone: 243-3301

Dr. George Munson, Associate Professor
Department of Microbiology and Immunology
University of Miami School of Medicine
Phone: 243-5317

Dr. Gregory Plano, Associate Professor
Department of Microbiology and Immunology
University of Miami School of Medicine
Phone: 243-6310

Dr. Kurt Schesser, Associate Professor
Department of Microbiology and Immunology
University of Miami School of Medicine
Phone: 243-4760

Dr. Diana Lopez, Professor, Undergraduate Program Director, Course Coordinator, Advisor
Department of Microbiology and Immunology
University of Miami School of Medicine
Phone: 243-6632

Roger Williams Jr., MS Ed, Assistant Director, Lab Coordinator, Advisor
Department of Microbiology and Immunology
Cox Science Bldg. Room 251 A
Phone: 284-6422

INTRODUCTORY MICROBIOLOGY & IMMUNOLOGY
SPRING 2011 CLASS SCHEDULE
MIC 301/320

Laboratory Teaching Assistants

AC	{	Qinjie Zhou	qzou@med.miami.edu	305-877-7014
		Priyadharshini Devarajan	pdevarajan@med.miami.edu	201-688-9757
DF	{	Annalise Smith	asmith11@med.miami.edu	954-682-2770
		Jason Miska	jmiska@med.miami.edu	847-867-8201
GI	{	Kristian Richards	krichards4@med.miami.edu	239-734-1400
		Helen Betts	hbetts@med.miami.edu	305-243-6118
KL	{	Holly Maslowski	hmaslowski@med.miami.edu	305-243-6118
		Jacqueline Wright	jwright4@med.miami.edu	267-221-6152

Class Attendance

A substantial part of this laboratory course is based upon classroom participation. Regular and punctual attendance is therefore required. Absences for University approved reasons must be discussed with Dr. Lopez or Roger in advance. Absences due to illness will require verification. Poor attendance may affect your final grade. Class Attendance will be taken periodically; this information will be used when calculating your final grade. It is recommended that **all** students attend **all** classes.

Laboratory

Latex gloves will be provided to students. There will be a \$20 fee for the laboratory manuals to cover printing costs...

Grading System

Examinations will be based upon lecture material, handouts, and specific book assignments.

	<u>MIC 301</u>	<u>MIC 320</u>
Lecture Exam #1	25%	33.33%
Lecture Exam #2	25%	33.33%
Lecture Exam #3	25%	33.33%
Laboratory	25%	0%

Grading Scale

A	90 - 100
B	80 - 89
C	70 - 79
D	60 - 69
F	0 - 59

Exams

Exams will be held on the scheduled days. The instructors, if necessary, may move exams. Students will not be allowed makeup exams unless there is adequate documentation from their doctor, a police report or death certificate of family member. Any makeup exams given will be conducted at the discretion of the instructors.

INTRODUCTORY MICROBIOLOGY & IMMUNOLOGY
SPRING 2011 CLASS SCHEDULE
MIC 301/320

For Your Information

The Microbiology and Immunology major is based on the medical campus. All of our faculty teach graduate, medical and undergraduate students. As most of you are aware, the MIC 301/Lab is a recommended course for those pursuing a career in the health sciences (as you will see microbiology in the first year of medical school). Additionally, the MIC 320 is required for nursing students to enter the clinical portion of their program.

Students interested in pursuing a **major** in Microbiology and Immunology must take MIC 301, MIC 321 and an additional 16 credits in the program in addition to the B.S. degree requirements. Major = 24 credits. If you are currently in your sophomore year, a switch to microbiology is not too late please contact Roger Williams for details.

Those wishing to **minor** in Microbiology and Immunology must take MIC 301, MIC 321 and an additional 4 credits in the program. Minor = 12 credits

MIC 320 cannot be used to count toward the major or minor in Microbiology and Immunology. Therefore if you are currently in MIC 320 and wish to be a MIC major you will need to switch to MIC 301.

For specifics regarding requirements, please see your Undergraduate Bulletin.

Courses offered in our department

MIC 301/Lab (Introductory Microbiology and Immunology)
MIC 302 (Honors Seminar) Corequisite MIC 301/320 honors section
MIC 320 (Nursing Microbiology) Only for Nursing students

MIC 321 (Immunobiology)	}	Prerequisite MIC 301
MIC 322 (Parasitology)		
MIC 323 (Principles of Microbial Pathogenesis)		
MIC 436 (Virology)		
MIC 434 (Microbial Genetics)		
MIC 441 (Colloquium)		
MIC 451-456 (Special Projects)		